

Complete

**MONROE COUNTY
PENNSYLVANIA
Interim Soil Survey Report
Volume II
SOIL MAPS**



prepared by

UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

in cooperation with

THE PENNSYLVANIA STATE UNIVERSITY

AGRICULTURAL EXPERIMENT STATION AND AGRICULTURAL EXTENSION SERVICE

and the

PENNSYLVANIA DEPARTMENT OF AGRICULTURE

STATE SOIL AND WATER CONSERVATION COMMISSION

Soil Conservation Service
2115 North Fifth Street
Stroudsburg, Pennsylvania 18300

1970

MONROE COUNTY, PENNSYLVANIA

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State Soil and Water Conservation Commission

Soil Survey by Garland H. Lipscomb

"Material for this report was prepared by the USDA Soil Conservation Service. Typing of the report and preparation of the photo index map was financed by the Monroe County Soil and Water Conservation District. The report was printed and assembled by the Pennsylvania Department of Agriculture, State Soil and Water Conservation Commission."

1970

HOW TO USE THIS REPORT

1. Use the Photo Index Map in Volume II.

The small county map shows the location of the survey area and serves as an index to the aerial photo soil survey field sheets. The survey area is subdivided into numbered blocks. The number inside the block corresponds to the aerial photo number used for the soil survey. Locate the general area in which you are interested on the map and note the aerial photo number.

2. Use the Aerial Photo Soil Survey Maps in Volume II.

Turn to the Soil Survey Maps, and look up the proper map. When the correct map has been found, locate the specific area on the map which you want to study. Soil boundaries are outlined by black lines, with a symbol for each soil mapping unit. (See list of symbols.) The symbol is inside the soil boundary if there is enough room; otherwise, it is outside the area and a pointer shows the area where the symbol belongs. Make a note of the soil mapping unit symbol occurring in the specific area which you have selected.

3. Use Table 1 in either Volume to find the soil name.

Look up the map symbol along the left-hand column. The symbols are listed numerically. When you have located the mapping symbol, read across for the soil name. (Some mapping symbols have been combined with others to reduce and correlate the units for which interpretations are made.)

4. Use the Interpretive Tables in Volume I.

After noting the soil name from Table 1, you are ready to look up the brief soil series descriptions or soil interpretations in any of the tables in Volume I. Refer to the list of tables in the Contents for the page number of the table you want to use. Narratives explaining the interpretations precede each table.

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FOR
MONROE COUNTY, PENNSYLVANIA

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NUMERICAL LEGEND AND ACRES MAPPED

TABLE I

MONROE COUNTY, PENNSYLVANIA

PAGE 1 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME 1/	ACRES MAPPED
04-A-1	Tioga and Barbour fine sandy loams, high bottom	1,508
1-A-1	Tioga and Barbour fine sandy loams	814
5-A-1	Holly silt loam, 0 to 3 percent slopes	2,021
7-A-1	Middlebury and Basher silt loams	947
8-A-1	Papakating silty clay loam, 0 to 3 percent slopes	1,508
9	Riverwash	536
10-B-1	Plainfield loamy fine sand, 3 to 8 percent slopes	122
10-C-1	Plainfield loamy fine sand, 8 to 15 percent slopes	130
10-D-1	Plainfield loamy fine sand, 15 to 25 percent slopes	63
11-A-1	(Combined with 151-A-1)	-
11-B-2	(Combined with 151-B-2)	-
11-C-2	(Combined with 151-C-2)	-
14-B-1	(Combined with 04-A-1)	-
15-A-1	Alton gravelly sandy loam, 0 to 3 percent slopes	1,605
15-B-2	Alton gravelly sandy loam, 3 to 8 percent slopes, moderately eroded	2,513
15-C-2	Alton gravelly sandy loam, 8 to 15 percent slopes, moderately eroded	2,420
15-CK-2	(Combined with 15-C-2)	-
15-D-2	Alton gravelly sandy loam, 15 to 25 percent slopes, moderately eroded	872
15-EF-2	Alton gravelly sandy loam, 25 to 70 percent slopes, moderately eroded	1,126
16-A-1	Braceville gravelly loam, 0 to 3 percent slopes	584
16-B-2	Braceville gravelly loam, 3 to 8 percent slopes, moderately eroded	398
18-A-1	Pekin silt loam, 0 to 3 percent slopes	567
19-B-1	Rushtown shaly silt loam, 3 to 8 percent slopes	138
19-C-1	Rushtown shaly silt loam, 8 to 15 percent slopes	316
19-D-1	Rushtown shaly silt loam, 15 to 25 percent slopes	113
19-E-1	Rushtown shaly silt loam, 25 to 35 percent slopes	94

USDA-SCS-HYATTSVILLE, MD. 1968

NUMERICAL LEGEND AND ACRES MAPPED

TABLE 1

MONROE COUNTY, PENNSYLVANIA

PAGE 2 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME <u>1/</u>	ACRES MAPPED
21-B-2	Swartswood channery sandy loam, 3 to 8 percent slopes, moderately eroded	582
21-C-2	Swartswood channery sandy loam, 8 to 15 percent slopes, moderately eroded	315
21s-AB-1	Swartswood very stony sandy loam, 0 to 8 percent slopes	9,857
21s-CD-1	Swartswood very stony sandy loam, 8 to 25 percent slopes	3,245
22-A-1	Lackawanna channery loam, 0 to 3 percent slopes	179
22-B-2	Lackawanna channery loam, 3 to 8 percent slopes, moderately eroded	1,157
22-C-2	Lackawanna channery loam, 8 to 15 percent slopes, moderately eroded	724
22-D-2	Lackawanna channery loam, 15 to 25 percent slopes, moderately eroded	427
23-AB-1	Lackawanna very stony loam, 0 to 8 percent slopes	8,840
23-CD-1	Lackawanna very stony loam, 8 to 25 percent slopes	4,541
23-EF-1	Lackawanna very stony loam, 25 to 70 percent slopes	1,027
24-B-2	Wellsboro channery loam, 3 to 8 percent slopes, moderately eroded	976
24-C-2	Wellsboro channery loam, 8 to 15 percent slopes, moderately eroded	159
25-AB-1	Wellsboro very stony loam, 0 to 8 percent slopes	9,659
25-CD-1	Wellsboro very stony loam, 8 to 25 percent slopes	1,847
26-A-1	Wurtsboro channery loam, 0 to 3 percent slopes	127
26-B-2	Wurtsboro channery loam, 3 to 8 percent slopes, moderately eroded	381
26-C-2	Wurtsboro channery loam, 8 to 15 percent slopes, moderately eroded	51
27-AB-1	Wurtsboro very stony loam, 0 to 8 percent slopes	11,220
27-CD-1	Wurtsboro very stony loam, 8 to 25 percent slopes	1,500
28-A-1	Volusia gravelly silt loam, 0 to 3 percent slopes	181
28-B-2	Volusia gravelly silt loam, 3 to 8 percent slopes, moderately eroded	425
29-AB-1	Volusia very stony silt loam, 0 to 8 percent slopes	8,801
31-B-2	Dekalb channery loam, 3 to 8 percent slopes, moderately eroded	69

USDA SCS HYATTSVILLE, MD 1968

NUMERICAL LEGEND AND ACRES MAPPED

TABLE 1

MONROE COUNTY, PENNSYLVANIA

PAGE 3 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME 1/	ACRES MAPPED
31-C-2	Dekalb channery loam, 8 to 15 percent slopes, moderately eroded	76
31-D-2	Dekalb channery loam, 15 to 25 percent slopes, moderately eroded	54
32-AB-1	Dekalb very stony loam, 0 to 8 percent slopes	1,440
32-CD-1	Dekalb very stony loam, 8 to 25 percent slopes	1,593
32-EF-1	Dekalb very stony loam, 25 to 80 percent slopes	1,825
33-A-1	Edgemont loam, 0 to 3 percent slopes	156
33-B-2	Edgemont loam, 3 to 8 percent slopes, moderately eroded	351
33-C-2	Edgemont loam, 8 to 15 percent slopes, moderately eroded	377
35-AB-1	Edgemont very stony loam, 0 to 8 percent slopes	1,088
35-CD-1	Edgemont very stony loam, 8 to 25 percent slopes	263
38-A-1	Meckesville gravelly loam, 0 to 3 percent slopes	453
38-B-2	Meckesville gravelly loam, 3 to 8 percent slopes, moderately eroded	1,430
38-C-2	Meckesville gravelly loam, 8 to 15 percent slopes, moderately eroded	555
38-D-2	Meckesville gravelly loam, 15 to 25 percent slopes, moderately eroded	42
39-AB-1	Meckesville very stony loam, 0 to 8 percent slopes	1,309
39-CD-1	Meckesville very stony loam, 8 to 25 percent slopes	1,213
40-A-1	Allenwood gravelly silt loam, 0 to 3 percent slopes	96
40-B-2	Allenwood gravelly silt loam, 3 to 8 percent slopes, moderately eroded	577
40-C-2	Allenwood gravelly silt loam, 8 to 15 percent slopes, moderately eroded	133
40-D-2	Allenwood gravelly silt loam, 15 to 25 percent slopes, moderately eroded	52
43-A-1	Hartleton channery silt loam, 0 to 3 percent slopes	227
43-B-2	Hartleton channery silt loam, 3 to 8 percent slopes, moderately eroded	1,469
43-B-3	(Combined with 43-B-2)	-
43-C-2	Hartleton channery silt loam, 8 to 15 percent slopes, moderately eroded	640

USDA SCS HYATISVILLE, MD. 1968

NUMERICAL LEGEND AND ACRES MAPPED

TABLE I

MONROE COUNTY, PENNSYLVANIA

PAGE 4 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME 1/	ACRES MAPPED
43-C-3	(Combined with 43-C-2)	-
43-D-2	Hartleton channery silt loam, 15 to 25 percent slopes, moderately eroded	77
44-AB-1	Hartleton very stony silt loam, 0 to 8 percent slopes	50
44-CD-1	Hartleton very stony silt loam, 8 to 25 percent slopes	81
45-B-2	Weikert-Hartleton channery silt loams, 3 to 8 percent slopes, moderately eroded	1,831
45-B-3	Weikert channery silt loam, 3 to 8 percent slopes, severely eroded	167
45-C-2	Weikert-Hartleton channery silt loams, 8 to 15 percent slopes, moderately eroded	2,137
45-C-3	Weikert channery silt loam, 8 to 15 percent slopes, severely eroded	309
45-D-2	Weikert-Hartleton channery silt loams, 15 to 25 percent slopes, moderately eroded	682
45-D-3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	546
45-EF-2	Weikert-Hartleton channery silt loams, 25 to 100 percent slopes, moderately eroded	2,015
46-A-1	Leck Kill channery silt loam, 0 to 3 percent slopes	55
46-B-2	Leck Kill channery silt loam, 3 to 8 percent slopes, moderately eroded	1,450
46-C-2	Leck Kill channery silt loam, 8 to 15 percent slopes, moderately eroded	1,222
46-D-2	Leck Kill channery silt loam, 15 to 25 percent slopes, moderately eroded	506
46-E-2	Leck Kill channery silt loam, 25 to 35 percent slopes, moderately eroded	143
49-AB-1	Laidig very stony loam, 0 to 8 percent slopes	1,350
49-CD-1	Laidig very stony loam, 8 to 25 percent slopes	487
51-A-1	Watson gravelly silt loam, 0 to 3 percent slopes	255
51-B-2	Watson gravelly silt loam, 3 to 8 percent slopes, moderately eroded	446
56-A-1	Alvira gravelly silt loam, 0 to 3 percent slopes	20

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NUMERICAL LEGEND AND ACRES MAPPED

TABLE I

MONROE COUNTY, PENNSYLVANIA

PAGE 5 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME 1/	ACRES MAPPED
56-B-1	Alvira gravelly silt loam, 3 to 8 percent slopes	99
57-AB-1	Alvira and Watson very stony loams, 0 to 8 percent slopes	208
57-CD-1	Alvira and Watson very stony loams, 8 to 25 percent slopes	34
60-A-1	Morris channery silt loam, 0 to 3 percent slopes	58
60-B-2	Morris channery silt loam, 3 to 8 percent slopes, moderately eroded	280
60-C-2	Morris channery silt loam, 8 to 15 percent slopes, moderately eroded	20
61-A-1	Shelmadine silt loam, 0 to 3 percent slopes	225
61s-AB-1	Shelmadine very stony silt loam, 0 to 8 percent slopes	206
63-AB-1	Morris very stony silt loam, 0 to 8 percent slopes	6,551
63-CD-1	Morris very stony silt loam, 8 to 25 percent slopes	245
64-A-1	Drifton loam, 0 to 3 percent slopes	36
64-B-2	Drifton loam, 3 to 8 percent slopes, moderately eroded	106
65-AB-1	Drifton very stony loam, 0 to 8 percent slopes	531
65-CD-1	Drifton very stony loam, 8 to 25 percent slopes	220
66-A-1	Albrights silt loam, 0 to 3 percent slopes	144
66-B-2	Albrights silt loam, 3 to 8 percent slopes, moderately eroded	741
66-C-2	Albrights silt loam, 8 to 15 percent slopes, moderately eroded	81
67-AB-1	Albrights very stony loam, 0 to 8 percent slopes	387
68-B-2	Lordstown channery silt loam, 3 to 8 percent slopes, moderately eroded	684
68-C-2	Lordstown channery silt loam, 8 to 15 percent slopes, moderately eroded	1,416
68-D-2	Lordstown channery silt loam, 15 to 25 percent slopes, moderately eroded	884
68-E-2	(Combined with 69-EF-1)	-
69-AB-1	Lordstown very rocky silt loam, 0 to 8 percent slopes	2,100
69-CD-1	Lordstown very rocky silt loam, 8 to 25 percent slopes	7,490
69-EF-1	Lordstown very rocky silt loam, 25 to 80 percent slopes	4,763

NUMERICAL LEGEND AND ACRES MAPPED

TABLE 1

MONROE COUNTY, PENNSYLVANIA

PAGE 6 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME	ACRES MAPPED
69-EF-2	(Combined with 69-EF-1)	-
70-AB-1	Norwich very stony sandy loam, 0 to 8 percent slopes	9,437
71-A-1	Norwich silt loam, 0 to 3 percent slopes	399
72-AB-1	Hazleton very stony sandy loam, 0 to 8 percent slopes	604
72-CD-1	Hazleton very stony sandy loam, 8 to 25 percent slopes	2,273
72-EF-1	Hazleton very stony sandy loam, 25 to 70 percent slopes	728
74-B-2	Oquaga and Lackawanna channery loams, 3 to 8 percent slopes, moderately eroded	160
74-C-2	Oquaga and Lackawanna channery loams, 8 to 15 percent slopes, moderately eroded	137
74-D-2	Oquaga and Lackawanna channery loams, 15 to 25 percent slopes, moderately eroded	70
75-AB-1	Oquaga and Lackawanna very stony loams, 0 to 8 percent slopes	2,138
75-CD-1	Oquaga and Lackawanna very stony loams, 8 to 25 percent slopes	5,168
75-EF-1	Oquaga and Lackawanna very stony loams, 25 to 80 percent slopes	2,788
76-B-2	Cossayuna gravelly silt loam, 3 to 8 percent slopes, moderately eroded	569
76-C-2	Cossayuna gravelly silt loam, 8 to 15 percent slopes, moderately eroded	533
76-D-2	Cossayuna gravelly silt loam, 15 to 25 percent slopes, moderately eroded	115
76-E-2	(Combined with 77-EF 1)	-
77-AB-1	Cossayuna very stony silt loam, 0 to 8 percent slopes	60
77-CD-1	Cossayuna very stony silt loam, 8 to 25 percent slopes	421
77-EF-1	Cossayuna very stony silt loam, 25 to 50 percent slopes	483
81-AB-1	Benson-Cossayuna very rocky silt loams, 0 to 8 percent slopes	1,521
81-CD-1	Benson-Cossayuna very rocky silt loams, 8 to 25 percent slopes	5,168
81-EF-1	Benson-Cossayuna very rocky silt loams, 25 to 100 percent slopes	4,617
84-A-1	Troy and Albia gravelly silt loams, 0 to 3 percent slopes	120
84-B-2	Troy and Albia gravelly silt loams, 3 to 8 percent slopes, moderately eroded	865

LSDA 3/24/75 JLT MD 1408

NUMERICAL LEGEND AND ACRES MAPPED

TABLE 1

MONROE COUNTY, PENNSYLVANIA

PAGE 7 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME 1/	ACRES MAPPED
84-C-2	Troy and Albia gravelly silt loams, 8 to 15 percent slopes, moderately eroded	278
85-AB-1	Troy and Albia very stony silt loams, 0 to 8 percent slopes	293
85-CD-1	Troy and Albia very stony silt loams, 8 to 25 percent slopes	368
86-A-1	Boynton silt loam, 0 to 3 percent slopes	194
86-B-2	Boynton silt loam, 3 to 8 percent slopes, moderately eroded	231
87-AB-1	Boynton very stony silt loam, 0 to 8 percent slopes	406
88-A-1	Alden silt loam, 0 to 3 percent slopes	886
90	Mucky Peat, deep	2,614
94-A-1	Fredon gravelly silt loam, 0 to 3 percent slopes	890
94-B-1	Fredon gravelly silt loam, 3 to 8 percent slopes	134
98-A-1	Bartle silt loam, 0 to 3 percent slopes	890
99-AB	Very stony land and rock land, 0 to 8 percent slopes	1,482
99-CD	Very stony land and rock land, 8 to 25 percent slopes	360
99-EF	Very stony land and rock land, 25 to 120 percent slopes	997
100-AB	Mixed alluvial land	1,561
118-A-1	Elkinsville silt loam, 0 to 3 percent slopes	30
121s-AB-1	Worth very stony sandy loam, 0 to 8 percent slopes	1,017
121s-CD-1	Worth very stony sandy loam, 8 to 25 percent slopes	626
127-AB-1	Empeyville very stony sandy loam, 0 to 8 percent	2,804
151-A-1	Chenango gravelly loam, 0 to 3 percent slopes	841
151-B-2	Chenango gravelly loam, 3 to 8 percent slopes, moderately eroded	656
151-C-2	Chenango gravelly loam, 8 to 15 percent slopes, moderately eroded	197
160-A-1	Conyngham silt loam, 0 to 3 percent slopes	54
160-B-2	Conyngham silt loam, 3 to 8 percent slopes, moderately eroded	71
160-C-2	Conyngham silt loam, 8 to 15 percent slopes, moderately eroded	0
163-AB-1	Conyngham very stony silt loam, 0 to 8 percent slopes	9
190	Mucky Peat, shallow	2,415

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NUMERICAL LEGEND AND ACRES MAPPED

TABLE 1

MONROE COUNTY, PENNSYLVANIA

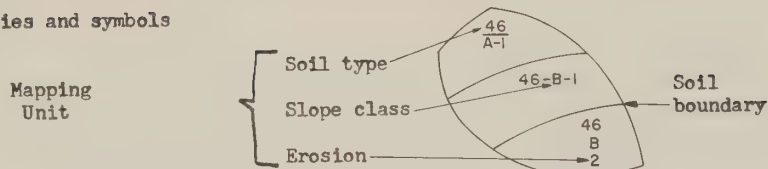
PAGE 8 OF 8

MAP SYMBOL	TENTATIVE SOIL NAME ^{1/}	ACRES MAPPED
221-B-2	Bath channery silt loam, 3 to 8 percent slopes, moderately eroded	419
221-C-2	Bath channery silt loam, 8 to 15 percent slopes, moderately eroded	494
221s-AB-1	Bath very stony silt loam, 0 to 8 percent slopes	209
221s-CD-1	Bath very stony silt loam, 8 to 25 percent slopes	245
226-A-1	Mardin channery silt loam, 0 to 3 percent slopes	43
226-B-2	Mardin channery silt loam, 3 to 8 percent slopes, moderately eroded	774
226-C-2	Mardin channery silt loam, 8 to 15 percent slopes, moderately eroded	280
227-AB-1	Mardin very stony silt loam, 0 to 8 percent slopes	424
227-CD-1	Mardin very stony silt loam, 8 to 25 percent slopes	116
461-B-2	Klinesville channery silt loam, 3 to 8 percent slopes, moderately eroded	315
461-B-3	(Combined with 461-B-2)	-
461-C-2	Klinesville channery silt loam, 8 to 15 percent slopes, moderately eroded	382
461-C-3	(Combined with 461-C-2)	-
461-D-2	Klinesville channery silt loam, 15 to 25 percent slopes, moderately eroded	306
461-D-3	(Combined with 461-D-2)	-
461-EF-2	Klinesville channery silt loam, 25 to 80 percent slopes, moderately eroded	1,107
GP	Gravel Pit	404
ML-AB	Urban land, 0 to 8 percent slopes	2,293
ML-CD	Urban land, 8 to 25 percent slopes	63
TOTAL		207,994
^{1/} Soil mapping unit names used in this table are tentative, subject to final correlation at a later date.		

USDA EC5 HYAT10JLLE WD 1-1989

SYMBOLS USED ON THE SOIL MAPS

1. Soil boundaries and symbols



Soil slope and erosion classes are defined in detail in the Glossary.

2. Other boundaries

County line ————
 City, village or borough ————
 Civil township line ————
 Triangulation point
 Survey match line ————
 State line ————

3. Works or structures

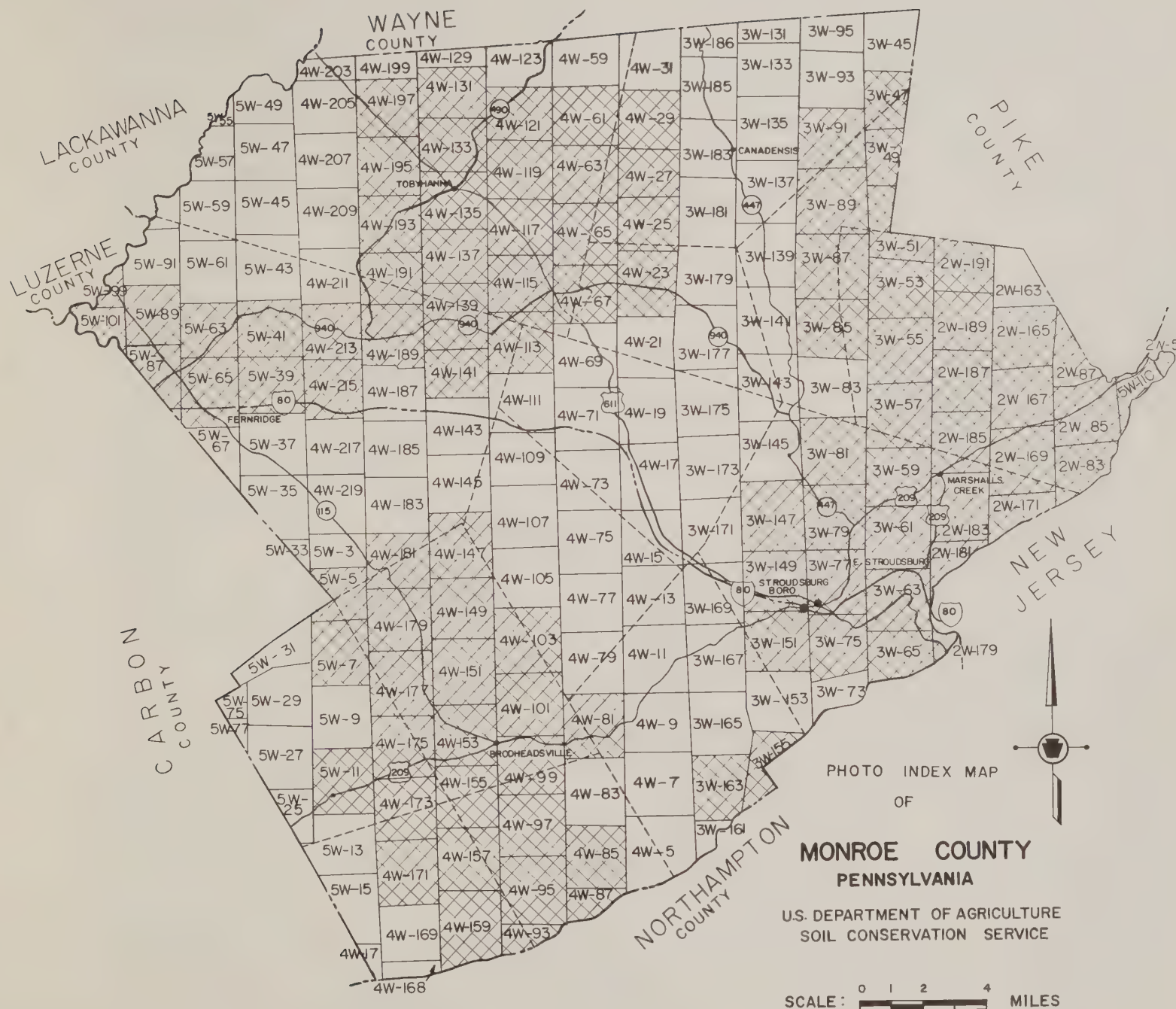
Good motor road
 Poor motor road
 Railroad
 Bridges
 Underground pipeline
 Buildings
 Farm house
 Large buildings considered significant for orientation
 Church
 School
 Cemetery
 Gravel pit
 Quarry

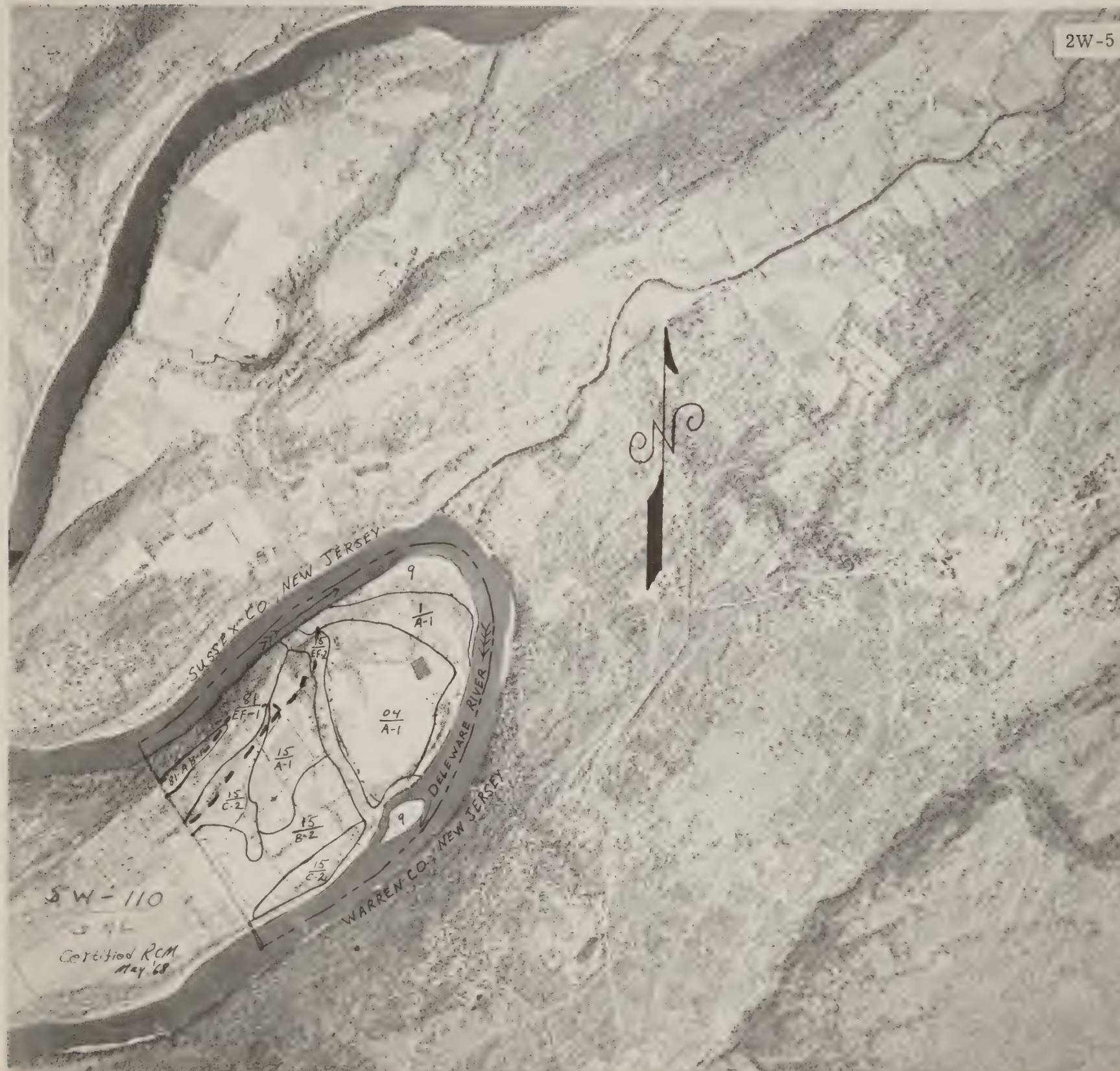
4. Drainage

Perennial streams
 Intermittent streams
 Lake
 Pond
 Spring
 Wet spot
 Swamp or marsh

5. Relief and special symbols

Escarpment other than bedrock
 Bedrock escarpment
 Rock outcrop
 Stony
 Very stony
 Made land
 Gully







PIKE COUNTY, PA



№











2W-179

Certified
RCM
11-15-67

WARREN COUNTY, N.J.

DELAWARE RIVER

99 EF

69 EF

69 EF-1

69 AB-1

69 CD-1

63 CD-1

57 CD-1

75 CD-1

32 EF-1

72 CD-1

32 CD-1

32 EF-1

32 CD-1

72 CD-1

NORTHAMPTON COUNTY

USDA - SOIL CONSERVATION SERVICE----SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.

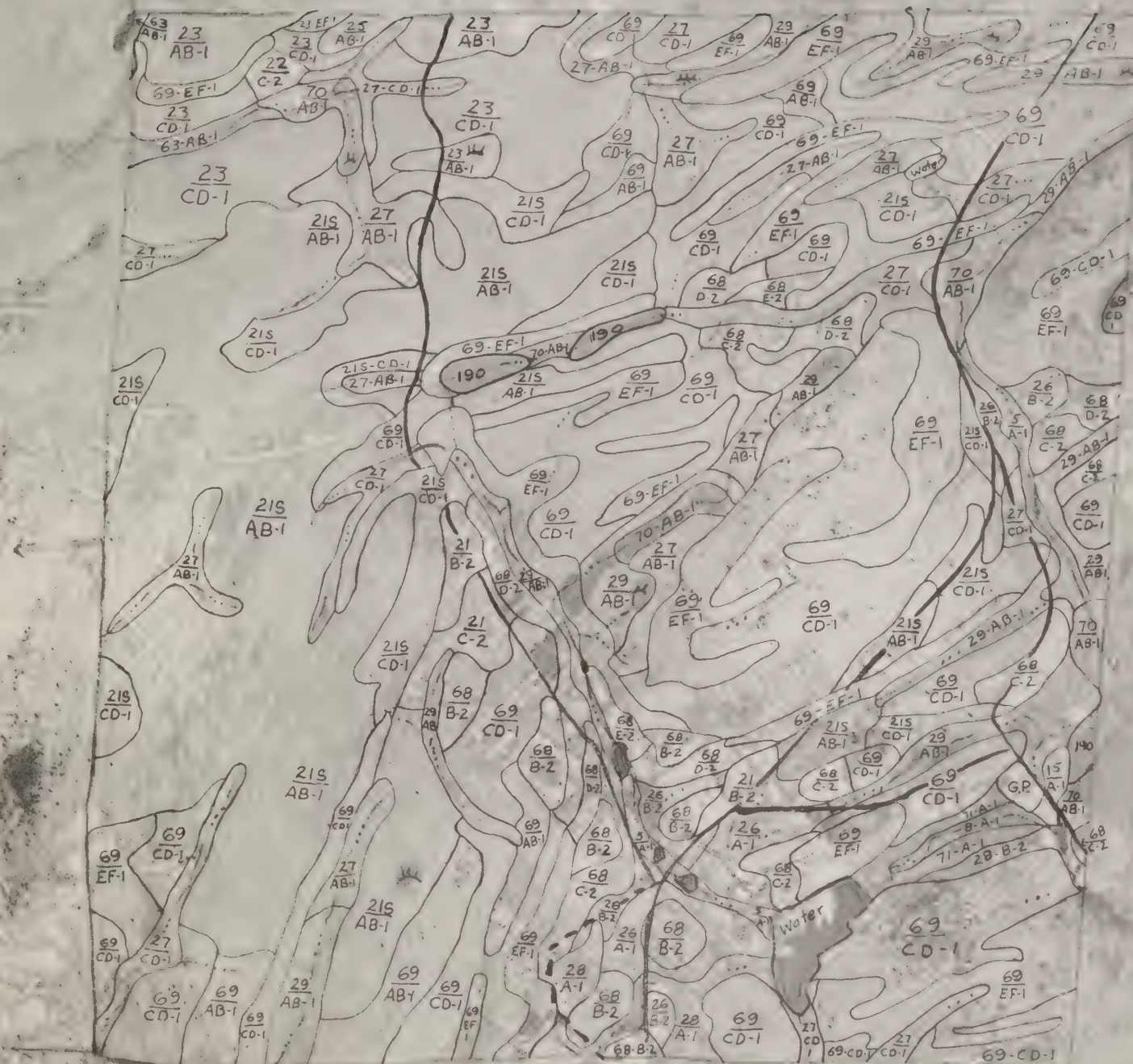




USDA – SOIL CONSERVATION SERVICE---SCALE 1" = 1320'----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.



Q21



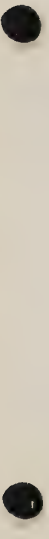
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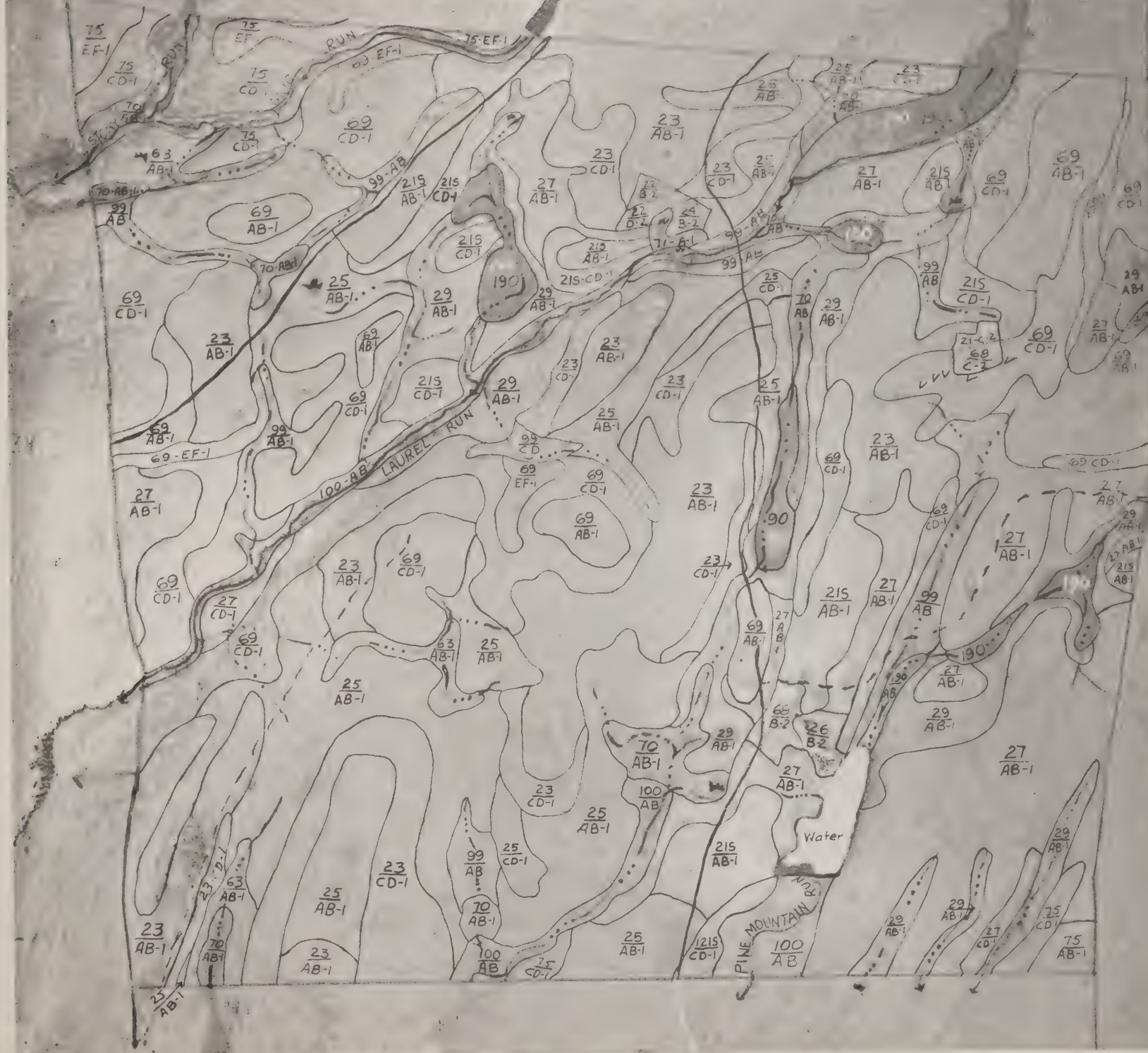


USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.

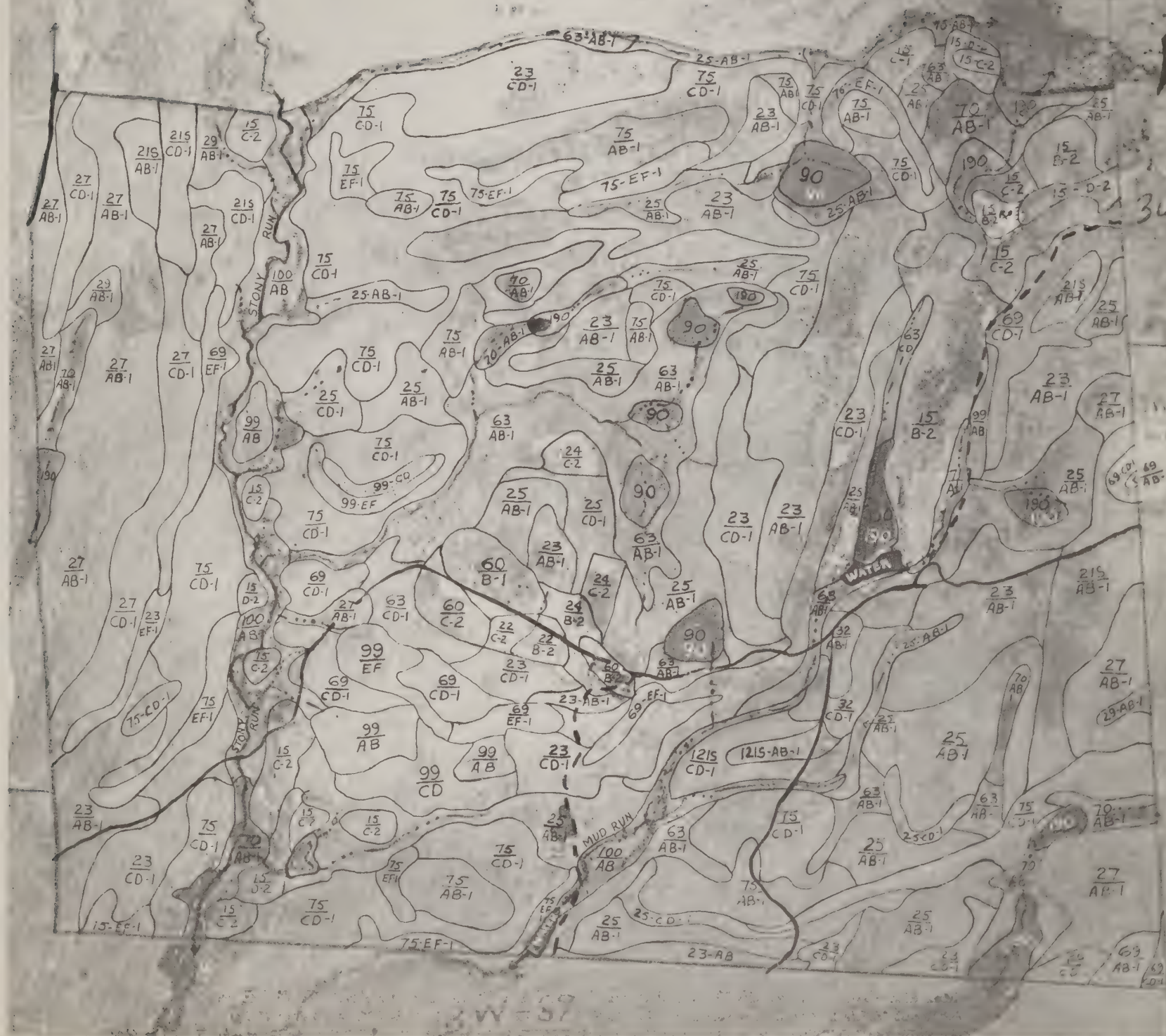






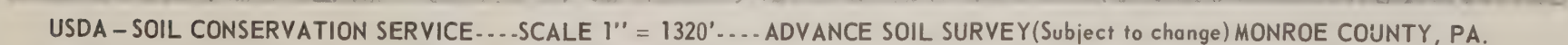


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USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.







3W-155







11



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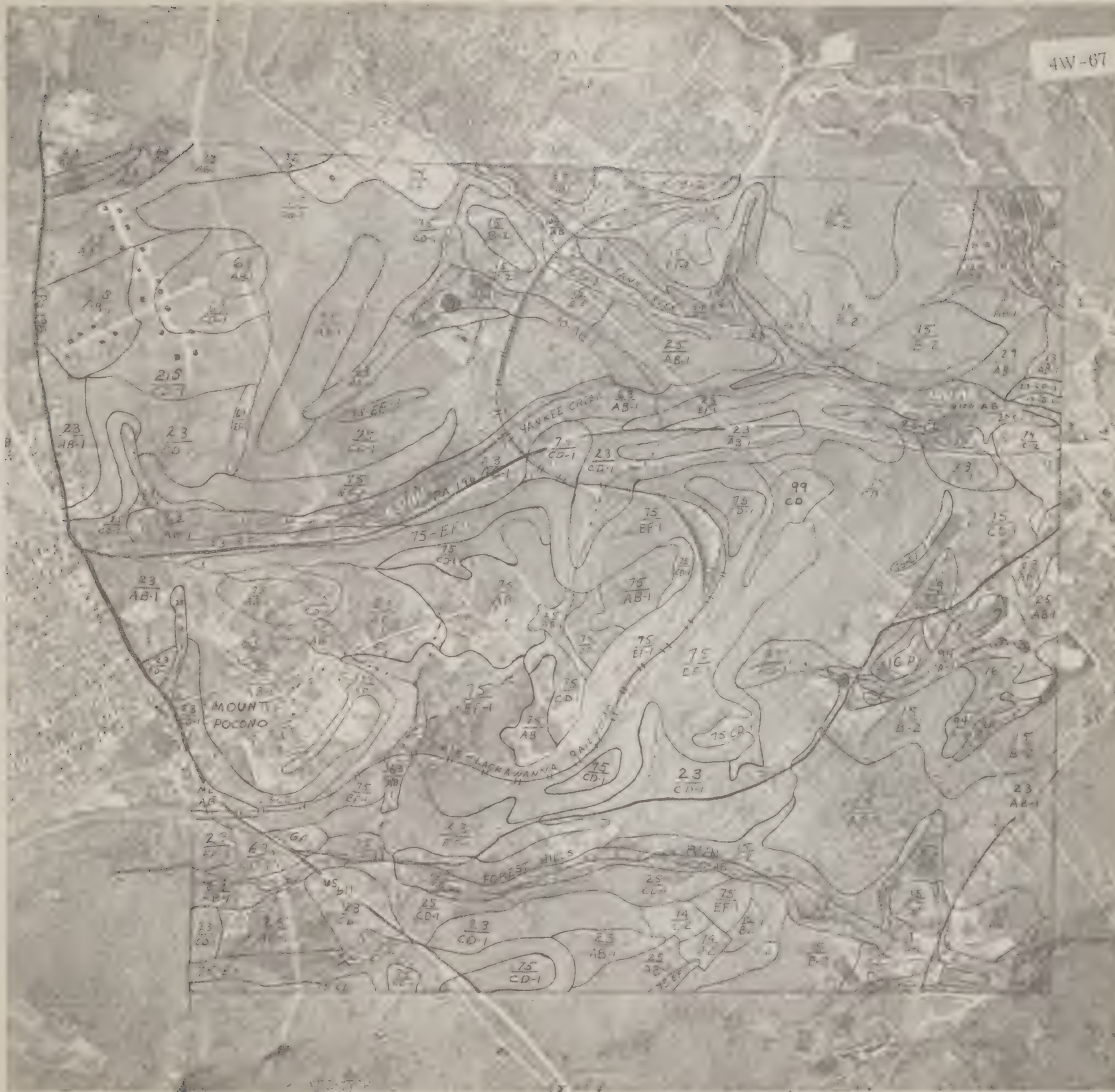
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4W-65



USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'---ADVANCE SOIL SURVEY (Subject to change) MONROE COUNTY, PA.







USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'---ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.



USDA - SOIL CONSERVATION SERVICE----SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.

4W-93



USDA - SOIL CONSERVATION SERVICE----SCALE 1" = 1320'----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.



USDA - SOIL CONSERVATION SERVICE-----SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.



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USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.



USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.

[illegible]



4W-121

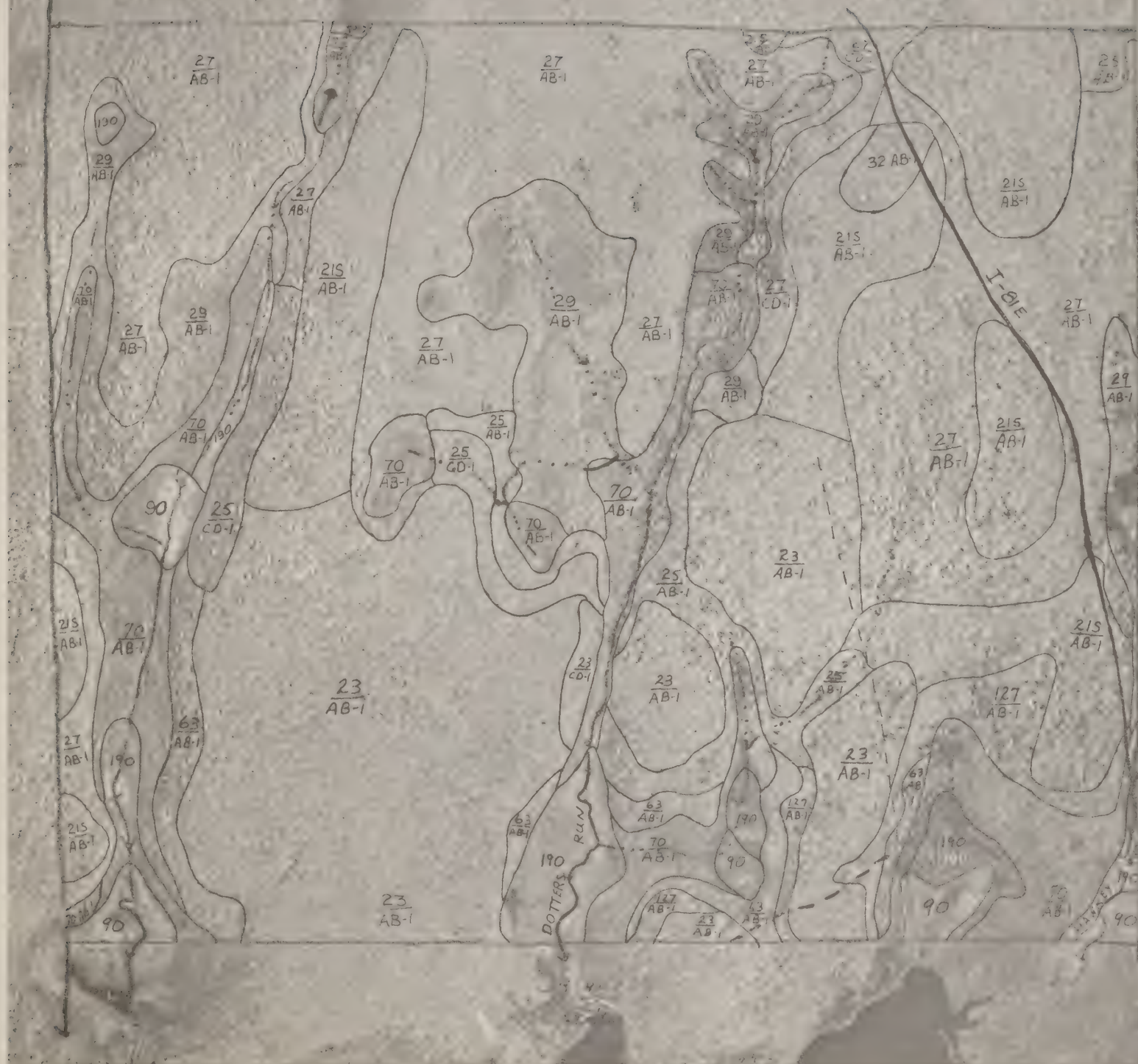




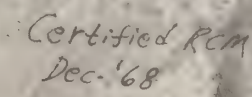
H. W.
64



4W-137















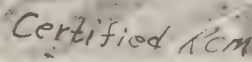
Certified K. M. M.





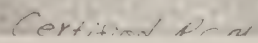
USDA - SOIL CONSERVATION SERVICE---SCALE 1" = 1320'-----ADVANCE SOIL SURVEY(Subject to change) MONROE COUNTY, PA.

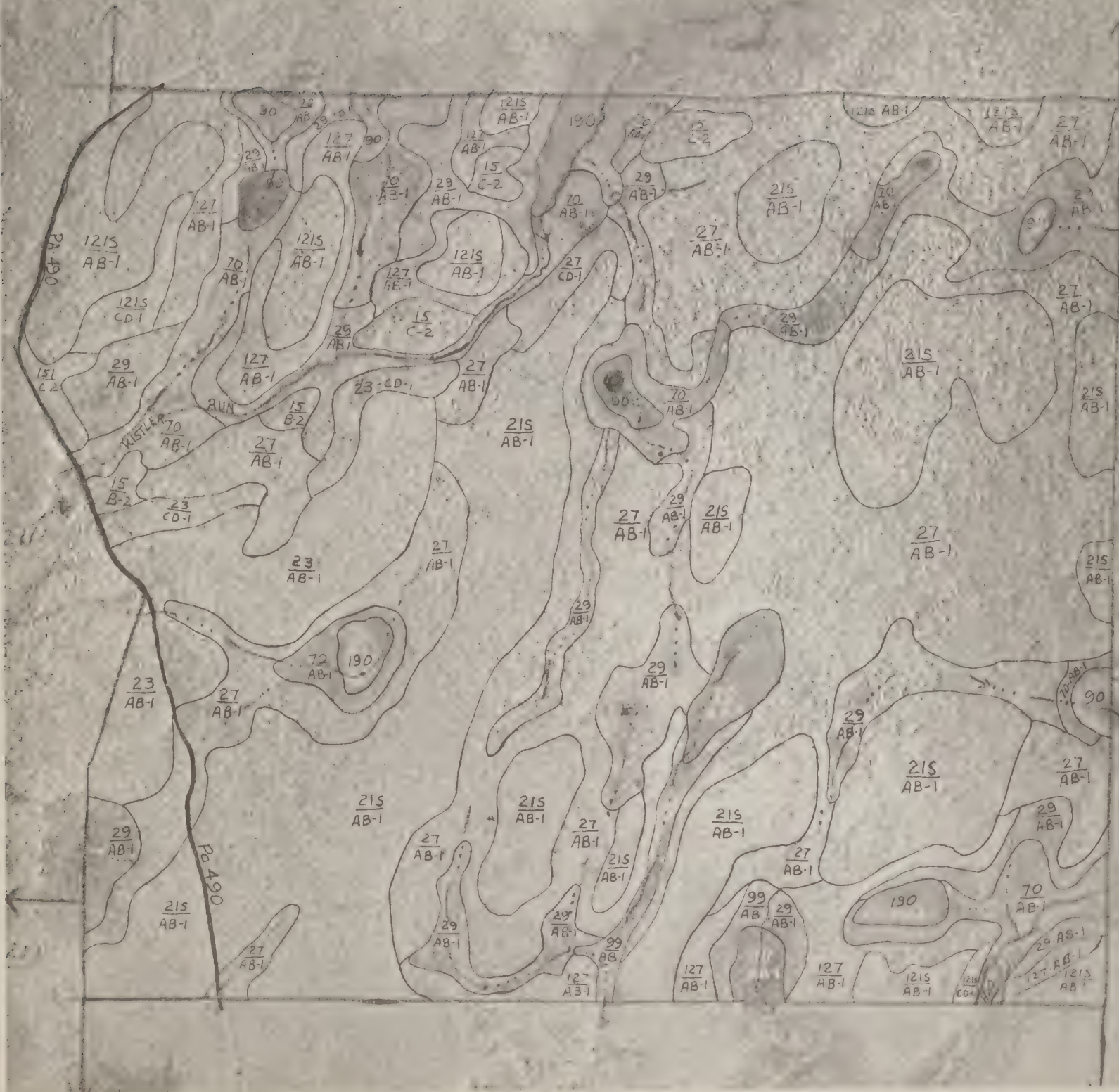




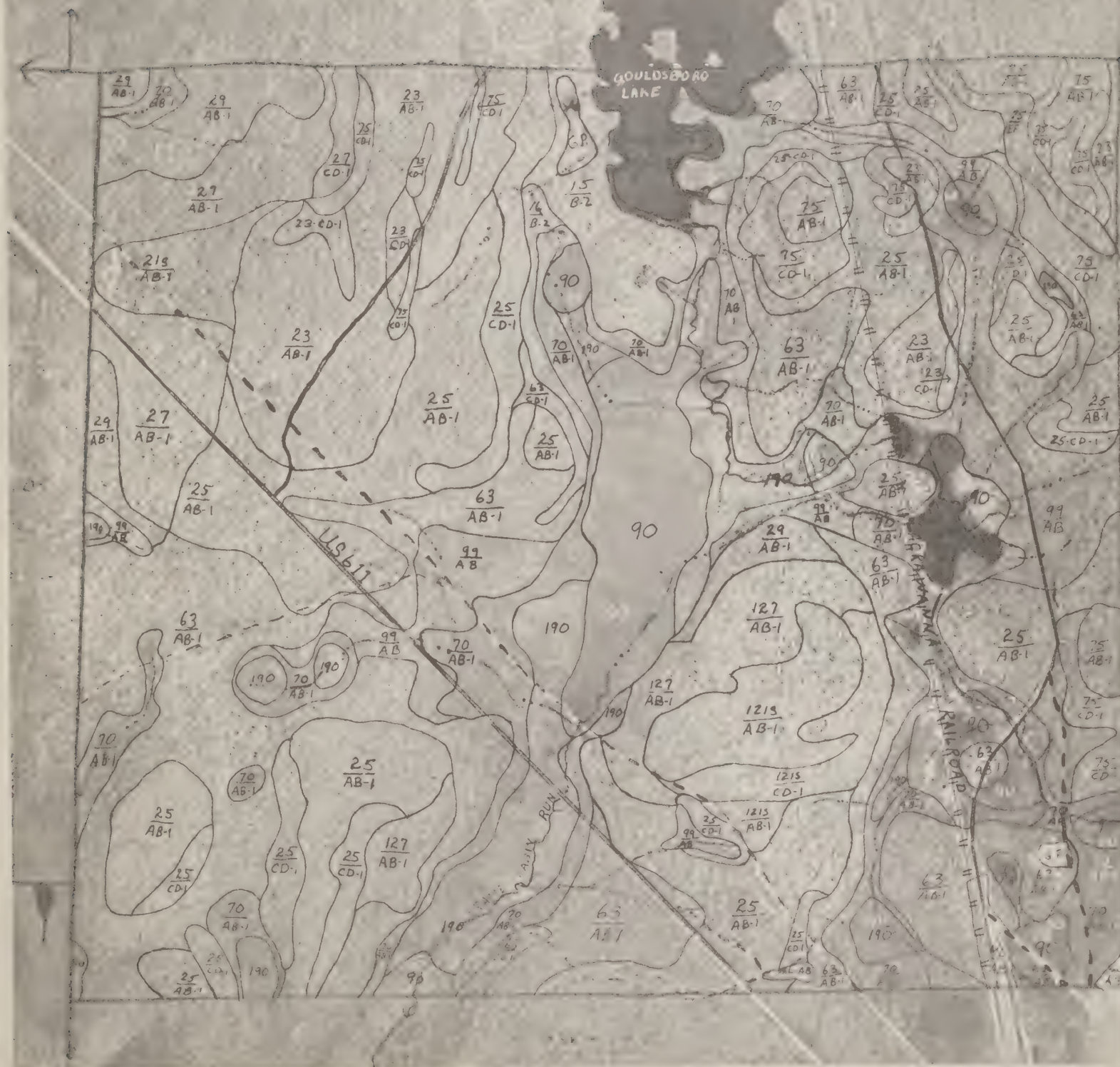


















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